

INTERNATIONAL SEARCH REPORT

In **onal Application No**
PCT/IB2004/051594

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H03H7/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H03H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/35716 A (BROADBAND INNOVATIONS INC) 2 May 2002 (2002-05-02) abstract page 1, line 6 page 6, lines 2-5 page 9, lines 6-9, 26-30 figures 3a, 3b, 4a, 4b, 6a	1-20
X	EP 1 244 212 A (MURATA MANUFACTURING CO) 25 September 2002 (2002-09-25) paragraph '0061! column 10, lines 4-10, 13-17 figure 5	1, 2, 4, 5, 9, 11, 12, 14-17

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance

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"P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

4 January 2005

Date of mailing of the international search report

11/01/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>PATENT ABSTRACTS OF JAPAN vol. 1996, no. 05, 31 May 1996 (1996-05-31) & JP 8 024237 A (GE YOKOGAWA MEDICAL SYST LTD), 30 January 1996 (1996-01-30) abstract; figure 3</p> <p>-----</p>	<p>1-3, 11-13</p>

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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
WO 0235716	A	02-05-2002	WO	0235716 A2	02-05-2002
EP 1244212	A	25-09-2002	JP	3509764 B2	22-03-2004
			JP	2002290203 A	04-10-2002
			CN	1377206 A	30-10-2002
			EP	1244212 A2	25-09-2002
			US	2002135442 A1	26-09-2002
JP 8024237	A	30-01-1996	NONE		